

Remarks

Claims 2-3, 5, 14-21, 31, and 34 have been amended in response to the criticisms in the Official Action and claim 39 has been canceled. Reconsideration and withdrawal of the objection and rejection to the form of the claims are respectfully requested.

Claims 1-6, 8-10, 12, 14-23, 26, 29-31, 33-34, 37, and 39-41 were rejected as unpatentable over CHEFALAS et al. 2002/0116639 in view of LIANG et al. 2004/0030913. The independent claims have been amended and reconsideration and withdrawal of the rejection are respectfully requested.

The amended claims define a security system and method in which a first sub-system detects an unknown malicious software having a characteristic unknown to the first sub-system, the first sub-system being configured to perform a partial simulation to activate unknown malicious software having the characteristic unknown to the first sub-system for causing a consequence of the activation of the unknown malicious software and thereafter to detect the activated unknown malicious software by detecting the consequence of the activation of the unknown malicious software.

CHEFALAS et al. disclose a security system (VSN and/or VSC) for repelling malicious software that includes a first sub-system that detects known malicious software having a known characteristic, where the first sub-system is configured to perform a scan for known malicious software to find the known

malicious software having the known characteristic, and to detect the known malicious software by detecting the known characteristic. In CHEFALAS et al., the virus scanners of the VSN or VSC detect a malicious software using malicious software databases that include the features of known malicious software. Thus, CHEFALAS et al. do not disclose that the first sub-system detects an unknown malicious software having a characteristic unknown to the first sub-system, where the first sub-system is configured to perform a partial simulation to activate unknown malicious software having the characteristic unknown to the first sub-system for causing a consequence of the activation of the unknown malicious software and thereafter to detect the activated unknown malicious software by detecting the consequence of the activation of the unknown malicious software.

LIANG et al. disclose a security system for repelling malicious software that includes a first sub-system (110) that detects an unknown malicious software having a characteristic unknown to the first sub-system, where the first sub-system is configured to profile the unknown malicious software to detect a suspicious characteristic of the unknown malicious software, and where the first sub-system detects the unknown malicious software by detecting the suspicious characteristic. LIANG et al. does not disclose or suggest a partial simulation to activate the unknown malicious software. LIANG et al. look for suspicious characteristics to detect unknown malicious software.

If one of skill in the art were to combine CHEFALAS et al. and LIANG et al., the artisan would see that LIANG et al. suggest that the way to detect unknown malicious software is by detecting a suspicious characteristic, not by a partial simulation to activate the unknown malicious software. The technique suggested in CHEFLAS et al. is for known malicious software, not unknown malicious software. One of skill in the art would not use the technique for known malicious software suggested in CHEFALAS et al. to detect unknown malicious software when LIANG et al. suggest a different technique.

That is, the combination is silent regarding using a partial simulation to activate an unknown malicious software for causing a consequence of the activation that is later detected.

In view of the present amendment and the foregoing remarks, it is believed that the present application has been placed in condition for allowance. Reconsideration and allowance are respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment

to Deposit Account No. 25-0120 for any additional fees required
under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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